

**PRELIMINARY AMENDMENT**

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21. (New) The computerized system of claim 20, wherein the wireless client device comprises a wireless-application protocol-enabled mobile phone.
22. (New) The computerized system of claim 20, wherein the wireless client device comprises a personal digital assistant adapted for wireless Internet access.
23. (New) The computerized system of claim 20, wherein the geographic point of interest is a current location of the wireless client device.
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24. (New) The computerized system of claim 23, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from a global positioning system.
25. (New) The computerized system of claim 23, wherein the server software is further executable by the server system to determine the current location of the wireless client device by determining a cell of the wireless client device.
26. (New) The computerized system of claim 23, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from user-entered data.
27. (New) The computerized system of claim 20, wherein the source of weather map data is a ground-based source.
28. (New) A computerized method for producing a customized weather map from a source of weather map data for a geographic area, the computerized method comprising:  
    sending a request to a server for weather map data corresponding to a geographic point of interest of a user;  
    processing weather map data on the server from the source of weather map data for a geographic region surrounding the geographic point of interest to produce a customized weather

map;

transmitting the customized weather map to the wireless client device; and

displaying the customized weather map for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device, wherein the geographic point of interest is substantially aligned with a center point of the graphical display.

29. (New) The computerized method of claim 28, further comprising determining the geographic point of interest of the user.

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30. (New) The computerized method of claim 29, wherein the determining of the geographic point of interest of the user comprises determining a current location of the wireless client device.

31. (New) The computerized method of claim 30, wherein the determining of the current location of the wireless client device comprises determining a cell of the wireless client device.

32. (New) The computerized method of claim 30, wherein the determining of the current location of the wireless client device comprises receiving location information from a global positioning system.

33. (New) The computerized method of claim 30, wherein the determining of the current location of the wireless client device comprises receiving location information from user-entered data.

34. (New) A computerized system for producing a customized weather map from a source of weather map data for a geographic area, the computerized system comprising:

a wireless client device including

an input device receiving commands and data from a user;

a graphical display having a center point substantially centered in the graphical display;

a processor; and

client software executable by the processor to receive user input from the input device including a zoom-in or zoom-out command, generate a server request for weather map data corresponding to a geographic point of interest, and display a customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display; and

a server system coupled to receive weather map data from the source of weather map data, the server system comprising:

one or more computing platforms; and

server software executable by the server system to receive a server request for weather map data for the geographic point of interest, process weather map data from the source of weather map data for a geographic region surrounding the geographic point of interest, produce a plurality of customized weather maps, and transmit one or more of the customized weather maps in response to the server request, wherein one or more of the customized weather maps provide zoom-in or zoom-out views of alternate scale.

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35. (New) The computerized system of claim 34, wherein the wireless client device comprises a wireless-application protocol-enabled mobile phone.

36. (New) The computerized system of claim 34, wherein the wireless client device comprises a personal digital assistant adapted for wireless Internet access.

37. (New) The computerized system of claim 34, wherein the geographic point of interest is a current location of the wireless client device.

38. (New) The computerized system of claim 37, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from a global positioning system.

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39. (New) The computerized system of claim 37, wherein the server software is further executable by the server system to determine the current location of the wireless client device by determining a cell of the wireless client device.

40. (New) The computerized system of claim 37, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from user-entered data.

41. (New) The computerized system of claim 34, wherein the source of weather map data is a ground-based source.

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42. (New) A computerized method for producing a customized weather map from a source of weather map data for a geographic area, the computerized method comprising:

sending a request to a server for weather map data corresponding to a geographic point of interest of a user;

processing weather map data on the server from the source of weather map data for a geographic region surrounding the geographic point of interest;

producing a plurality of customized weather maps;

transmitting one or more of the customized weather maps to the wireless client device, wherein one or more of customized weather maps provide zoom-in or zoom-out views of alternate scale;

processing a zoom-in or zoom-out command on the wireless client device; and

displaying one of the customized weather maps for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device, wherein the geographic point of interest is substantially aligned with a center point of the graphical display.

43. (New) The computerized method of claim 42, further comprising determining the geographic point of interest of the user.

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44. (New) The computerized method of claim 43, wherein the determining of the geographic point of interest of the user comprises determining a current location of the wireless client device.

45. (New) The computerized method of claim 44, wherein the determining of the current location of the wireless client device comprises determining a cell of the wireless client device.

46. (New) The computerized method of claim 44, wherein the determining of the current location of the wireless client device comprises receiving location information from a global positioning system.

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47. (New) The computerized method of claim 44, wherein the determining of the current location of the wireless client device comprises receiving location information from user-entered data.

48. (New) A computerized system for producing a customized weather map from a source of weather map data for a geographic area, the computerized system comprising:

a wireless client device including

an input device receiving commands and data from a user;

a graphical display having a center point substantially centered in the graphical display;

a processor; and

client software executable by the processor to receive user input from the input device, generate a server request for weather map data corresponding to a geographic point of interest, display a first customized weather map for a geographic region surrounding the geographic point of interest, and display a second customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display, and wherein the first and second customized weather maps are displayed on a substantially similar scale; and

a server system coupled to receive weather map data from the source of weather map

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data, the server system comprising:

one or more computing platforms; and

server software executable by the server system to receive a server request for weather map data for the geographic point of interest, process weather map data from the source of weather map data for a geographic region surrounding the geographic point of interest, produce a first customized weather map at a first point in time, produce a second customized weather map at a second point in time, and transmit the first and second customized weather maps to the wireless client device to permit the user to view progression of weather events over a period of time.

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49. (New) The computerized system of claim 48, wherein the wireless client device comprises a wireless-application protocol-enabled mobile phone.

50. (New) The computerized system of claim 48, wherein the wireless client device comprises a personal digital assistant adapted for wireless Internet access.

51. (New) The computerized system of claim 48, wherein the geographic point of interest is a current location of the wireless client device.

52. (New) The computerized system of claim 51, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from a global positioning system.

53. (New) The computerized system of claim 51, wherein the server software is further executable by the server system to determine the current location of the wireless client device by determining a cell of the wireless client device.

54. (New) The computerized system of claim 51, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from user-entered data.

55. (New) The computerized system of claim 48, wherein the source of weather map data is a ground-based source.

56. (New) A computerized method for producing a customized weather map from a source of weather map data for a geographic area, the computerized method comprising:

sending a request to a server for weather map data corresponding to a geographic point of interest of a user;

processing weather map data on the server from the source of weather map data for a geographic region surrounding the geographic point of interest;

producing a first customized weather map at a first point in time;

producing a second customized weather map at a second point in time;

transmitting the first and second customized weather maps to the wireless client device;

displaying the first customized weather map for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device; and

displaying the second customized weather map for the geographic region surrounding the geographic point of interest on the graphical display of the wireless client device,

wherein the geographic point of interest is substantially aligned with a center point of the graphical display, and

wherein the first and second customized weather maps are displayed on a substantially similar scale.

57. (New) The computerized method of claim 56, further comprising determining the geographic point of interest of the user.

58. (New) The computerized method of claim 57, wherein the determining of the geographic point of interest of the user comprises determining a current location of the wireless client device.

59. (New) The computerized method of claim 58, wherein the determining of the current location of the wireless client device comprises determining a cell of the wireless client device.

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60. (New) The computerized method of claim 58, wherein the determining of the current location of the wireless client device comprises receiving location information from a global positioning system.

61. (New) The computerized method of claim 58, wherein the determining of the current location of the wireless client device comprises receiving location information from user-entered data.

62. (New) A computerized system for producing a customized weather map from a source of weather map data for a geographic area, the computerized system comprising:

a wireless client device including

an input device receiving commands and data from a user;

a graphical display having a center point substantially centered in the graphical display;

a processor; and

client software executable by the processor to receive user input from the input device, generate a server request for weather map data corresponding to a geographic point of interest, display a customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display, and display customized weather data associated with a weather condition of interest; and

a server system coupled to receive weather map data from the source of weather map data, the server system comprising:

one or more computing platforms; and

server software executable by the server system to receive a server request for weather map data for the geographic point of interest, process weather map data from the source of weather map data for a geographic region surrounding the geographic point of interest to produce a customized weather map, transmit the customized weather map to the wireless client device, estimate a current location of the wireless client device, estimate a speed and direction of movement of the wireless client device, estimate a time of arrival of the wireless client device to

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a weather condition of interest to the user, and transmit to the wireless client device customized weather data associated with the weather condition of interest.

63. (New) The computerized system of claim 62, wherein the wireless client device comprises a wireless-application protocol-enabled mobile phone.

64. (New) The computerized system of claim 62, wherein the wireless client device comprises a personal digital assistant adapted for wireless Internet access.

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cm.t 65. (New) The computerized system of claim 62, wherein the geographic point of interest is a current location of the wireless client device.

66. (New) The computerized system of claim 65, wherein the server software is further executable by the server system to estimate the current location of the wireless client device by receiving location information from a global positioning system.

67. (New) The computerized system of claim 65, wherein the server software is further executable by the server system to estimate the current location of the wireless client device by determining a cell of the wireless client device.

68. (New) The computerized system of claim 65, wherein the server software is further executable by the server system to estimate the current location of the wireless client device by receiving location information from user-entered data.

69. (New) The computerized system of claim 62, wherein the source of weather map data is a ground-based source.

70. (New) A computerized method for producing a customized weather map from a source of weather map data for a geographic area, the computerized method comprising:

    sending a request to a server for weather map data corresponding to a geographic point of

interest of a user;

processing weather map data on the server from the source of weather map data for a geographic region surrounding the geographic point of interest to produce a customized weather map;

transmitting the customized weather map to the wireless client device;

displaying the customized weather map for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device, the geographic point of interest being substantially aligned with a center point of the graphical display;

estimating a current location of the wireless client device;

estimating a speed and direction of movement of the wireless client device;

estimating a time of arrival of the client device to a weather condition of interest to the user;

transmitting customized weather data associated with the weather condition of interest to the wireless client device; and

displaying the customized weather data associated with the weather condition of interest on the graphical display of the wireless client device.

71. (New) The computerized method of claim 70, wherein the determining of the current location of the wireless client device comprises determining a cell of the wireless client device.

72. (New) The computerized method of claim 70, wherein the estimating of the current location of the wireless client device comprises receiving location information from a global positioning system.

73. (New) The computerized method of claim 70, wherein the estimating of the current location of the wireless client device comprises receiving location information from user-entered data.